

Title (en)  
SEMI-AUTOMATIC IMAGE SEGMENTATION

Title (de)  
HALBAUTOMATISCHE BILDSEGMENTIERUNG

Title (fr)  
SEGMENTATION D'IMAGE SEMI-AUTOMATIQUE

Publication  
**EP 3332356 A4 20190320 (EN)**

Application  
**EP 16828308 A 20160715**

Priority  
• US 201514804433 A 20150721  
• US 2016042510 W 20160715

Abstract (en)  
[origin: US9443316B1] Semi-automatic (instant) color image segmentation is performed on an input image for an object located near the point given by the user (e.g., touch screen contact). The size, shape, and the number of colors of the target object which is about (lying around or surrounding) the user-selected point is determined, and determinations made for which region the pixels belong to, either foreground or background. A binary object mask is generated which can be utilized for removing the material surrounding that object, or inverting the mask to remove the material of the object.

IPC 8 full level  
**G06T 7/11** (2017.01); **G06T 7/143** (2017.01); **G06T 7/194** (2017.01); **G06V 10/764** (2022.01)

CPC (source: EP KR US)  
**G06F 3/04842** (2013.01 - KR US); **G06F 18/24155** (2023.01 - EP KR US); **G06F 18/40** (2023.01 - KR US); **G06T 7/11** (2016.12 - EP KR US); **G06T 7/143** (2016.12 - EP KR US); **G06T 7/194** (2016.12 - EP KR US); **G06V 10/764** (2022.01 - EP KR US); **G06V 10/945** (2022.01 - EP KR US); **G06V 30/2504** (2022.01 - KR US); **G06V 40/162** (2022.01 - EP KR US); **G06T 2207/10024** (2013.01 - EP KR US); **G06T 2207/20016** (2013.01 - EP KR US); **G06T 2207/20076** (2013.01 - EP KR US); **G06T 2207/20101** (2013.01 - EP KR US); **G06T 2207/30201** (2013.01 - EP KR US); **G06T 2207/30232** (2013.01 - EP KR US)

Citation (search report)  
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• See references of WO 2017015117A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 9443316 B1 20160913**; CN 107710228 A 20180216; CN 107710228 B 20211112; EP 3332356 A1 20180613; EP 3332356 A4 20190320; EP 3332356 B1 20210421; JP 2018524732 A 20180830; JP 6547990 B2 20190724; KR 101989756 B1 20190614; KR 20180017097 A 20180220; WO 2017015117 A1 20170126

DOCDB simple family (application)  
**US 201514804433 A 20150721**; CN 201680039591 A 20160715; EP 16828308 A 20160715; JP 2018500651 A 20160715; KR 20187000532 A 20160715; US 2016042510 W 20160715